

1/15

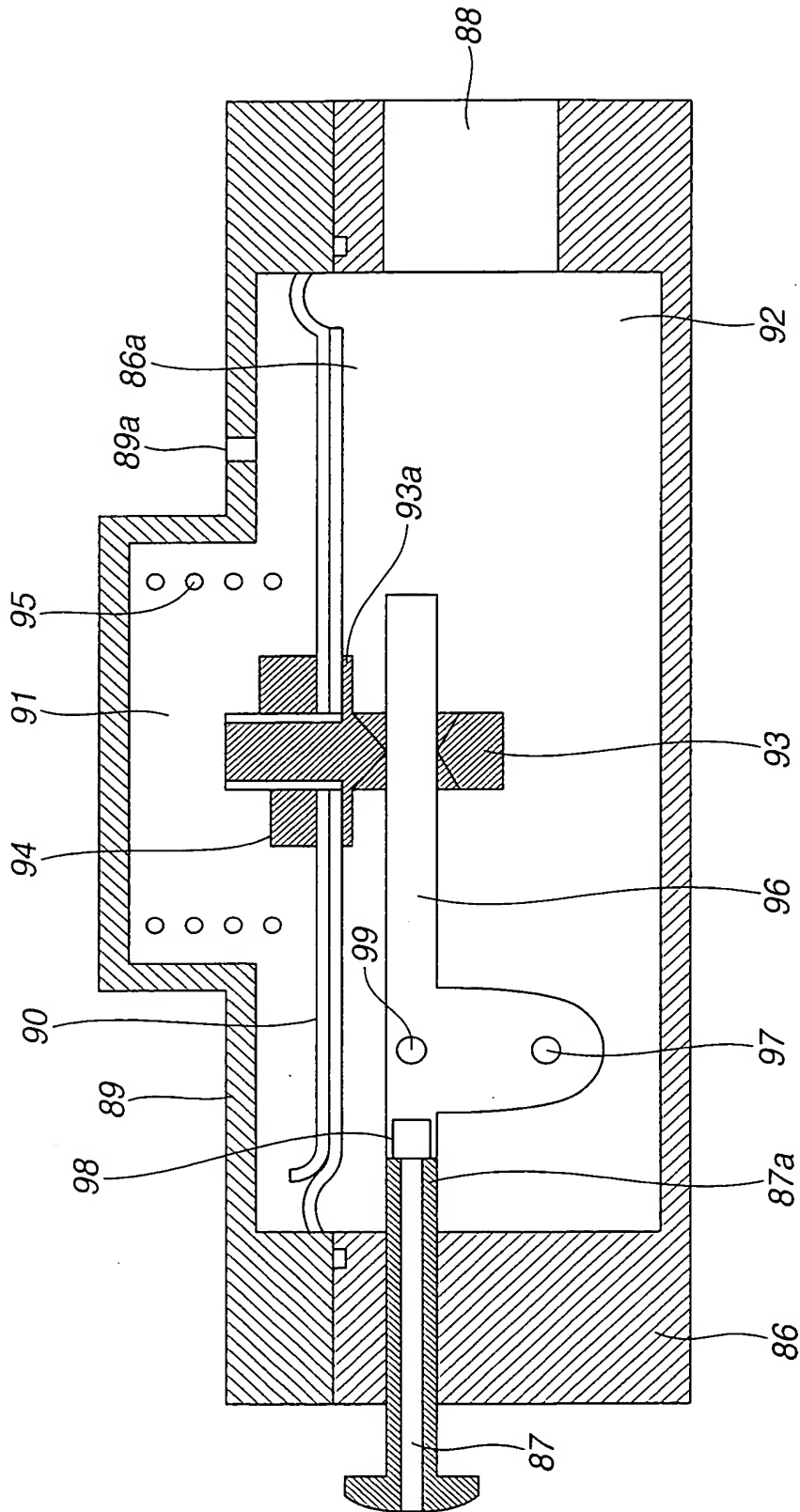


FIG.1

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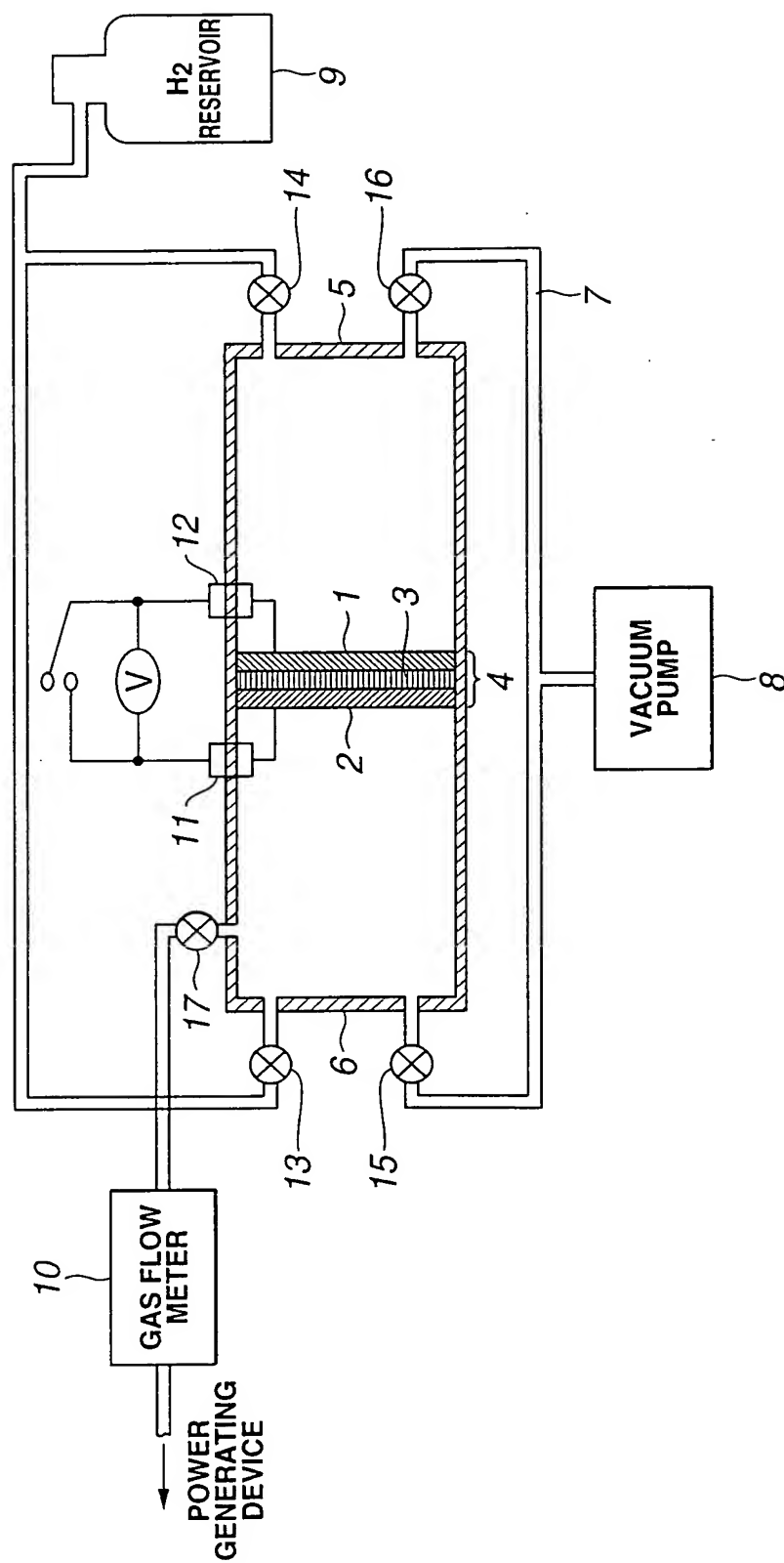


FIG.2

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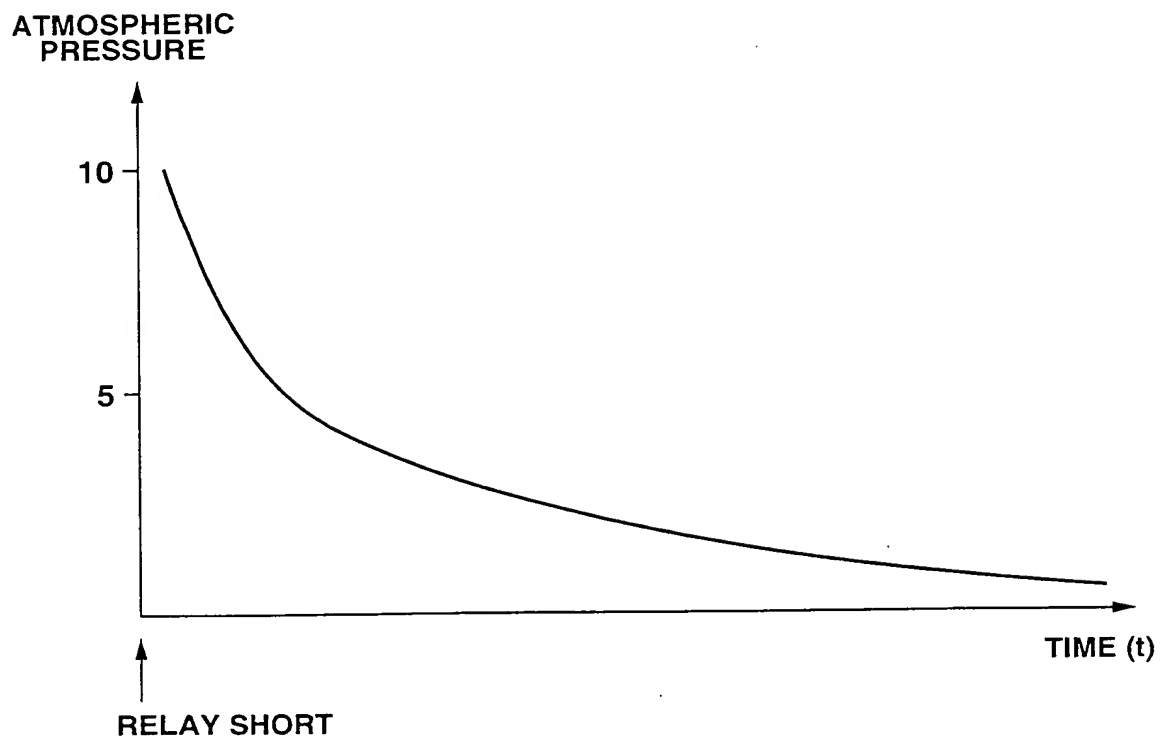


FIG.3

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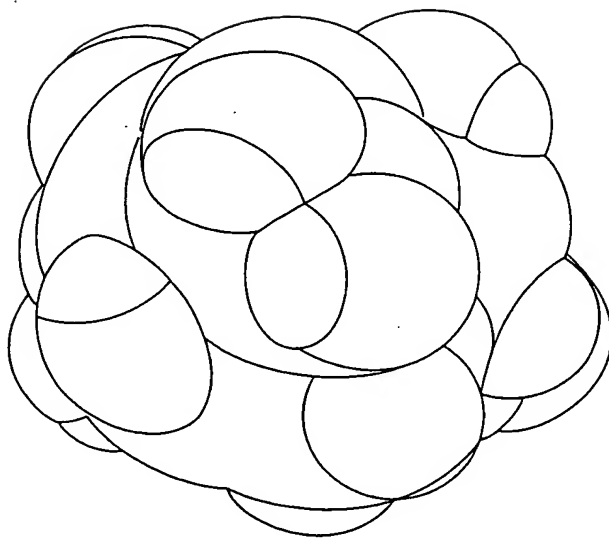


FIG.4B

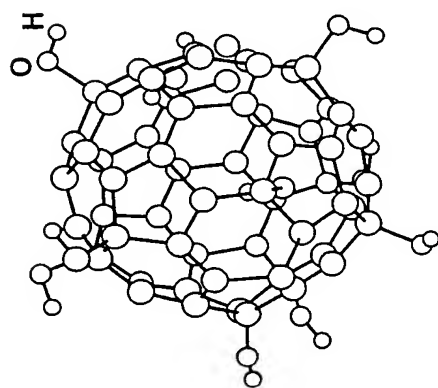
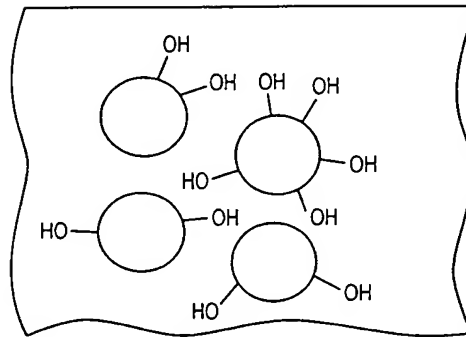
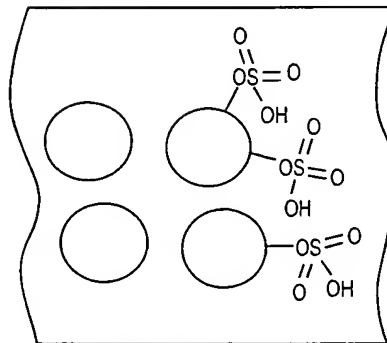
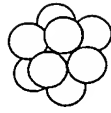
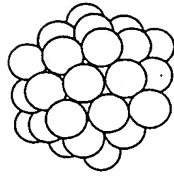
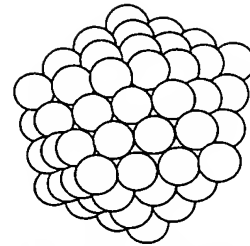
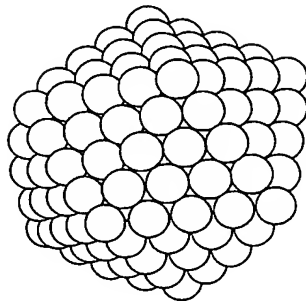
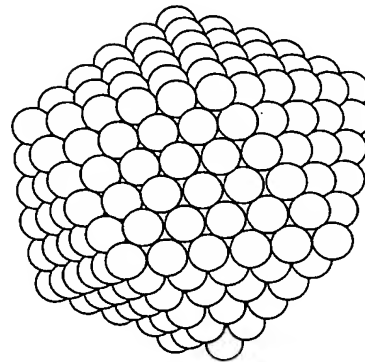
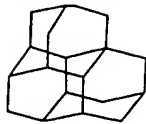
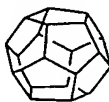
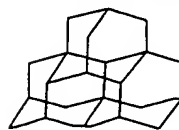
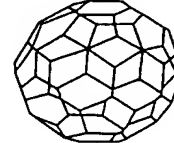
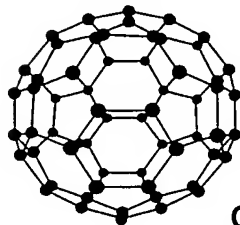
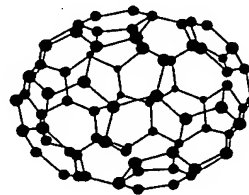
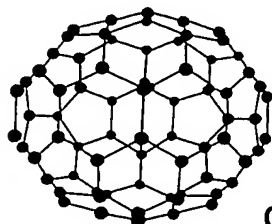
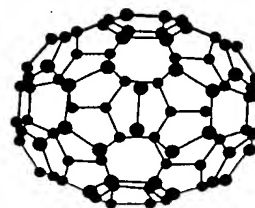


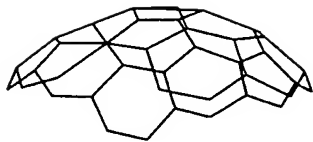
FIG.4A

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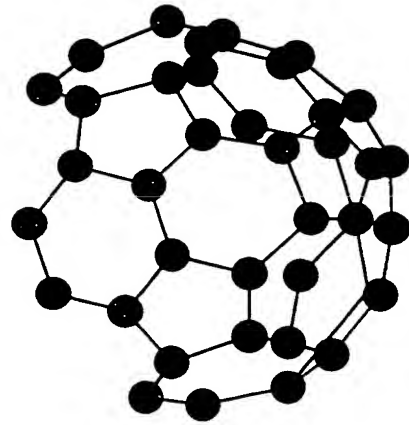
**FIG.5A****FIG.5B**

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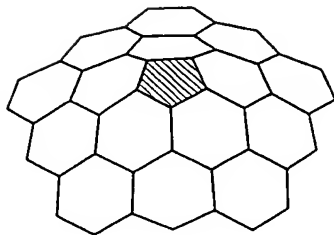
**FIG. 6A****FIG. 6B****FIG. 6C****FIG. 6D****FIG. 6E** $C_{18}H_{24}$ **FIG. 6F** $C_{20}H_{20}$ **FIG. 6G** $C_{22}H_{28}$ **FIG. 6H** $C_{60}$ **FIG. 6I** $C_{60}$ **FIG. 6J** $C_{76}$ **FIG. 6K** $C_{70}$ **FIG. 6L** $C_{78}$ **FIG. 6M**



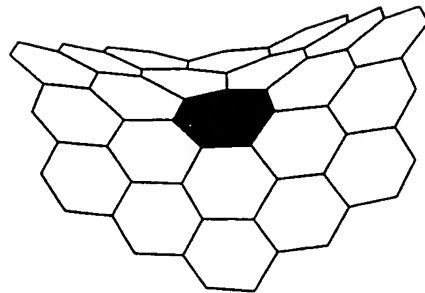
**FIG. 7A**



**FIG. 7B**

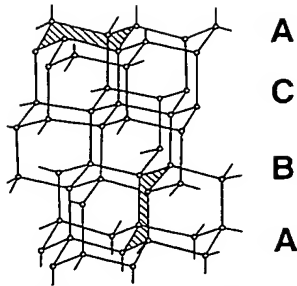


**FIG. 7C**



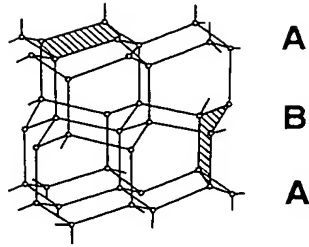
**FIG. 7D**

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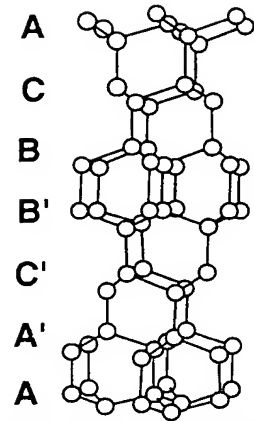
CUBIC SYSTEM  
DIAMOND

**FIG.8A**



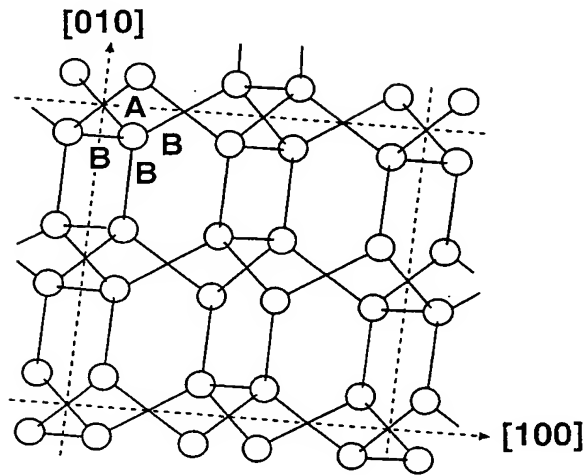
HEXAGONAL SYSTEM  
DIAMOND

**FIG.8B**

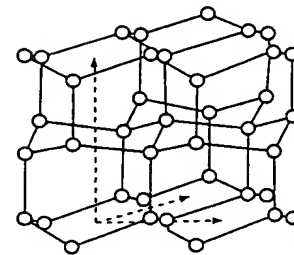


6H TYPE DIAMOND

**FIG.8C**

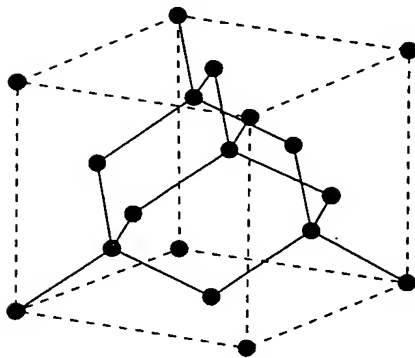


**FIG.8D**

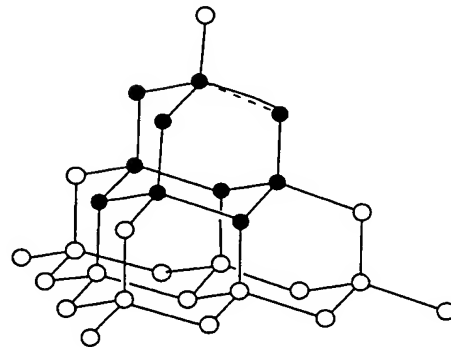


HEXAGONAL SYSTEM  
DIAMOND

**FIG.8E**



**FIG.8F**




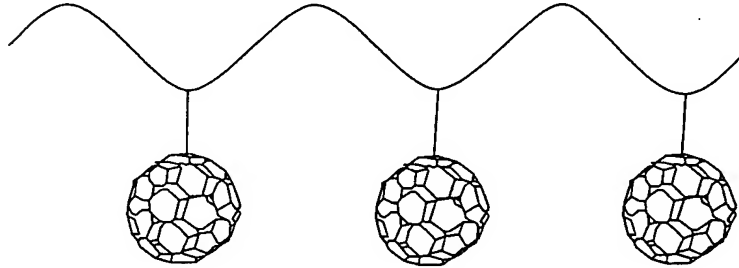
DIAMOND

**FIG.8G**



A diagram showing a polymer chain consisting of four spherical beads, each with a hexagonal internal structure, connected by a wavy line representing the polymer backbone.

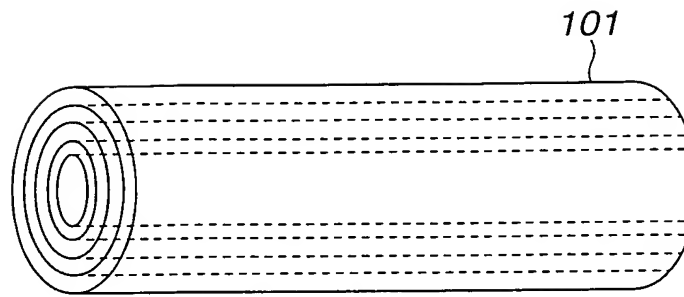
 SHOWS A BOND CHAIN  
 SUCH AS  $\{CH_2\}_n$ ,  $\{CF_2\}_n$ , etc.



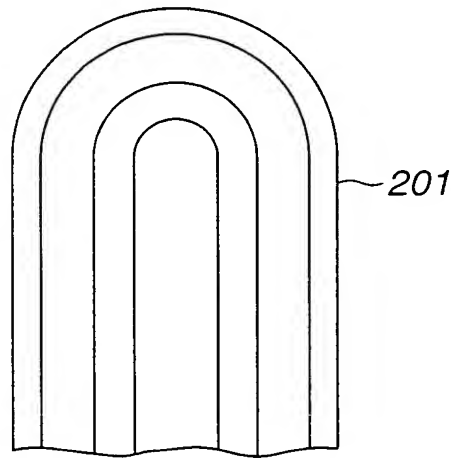
A diagram of a linear polymer chain. It consists of three identical fused ring units, each resembling a benzene ring with an internal hexagon, connected in a row by single bonds. The chain is oriented horizontally, with two short lines extending from the left and right ends of the first and third units, respectively, indicating the continuation of the polymer chain.

**FIG.9H**

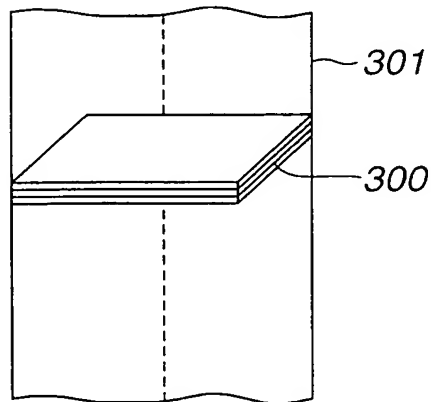
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**FIG. 10A**



**FIG. 10B**



**FIG. 10C**

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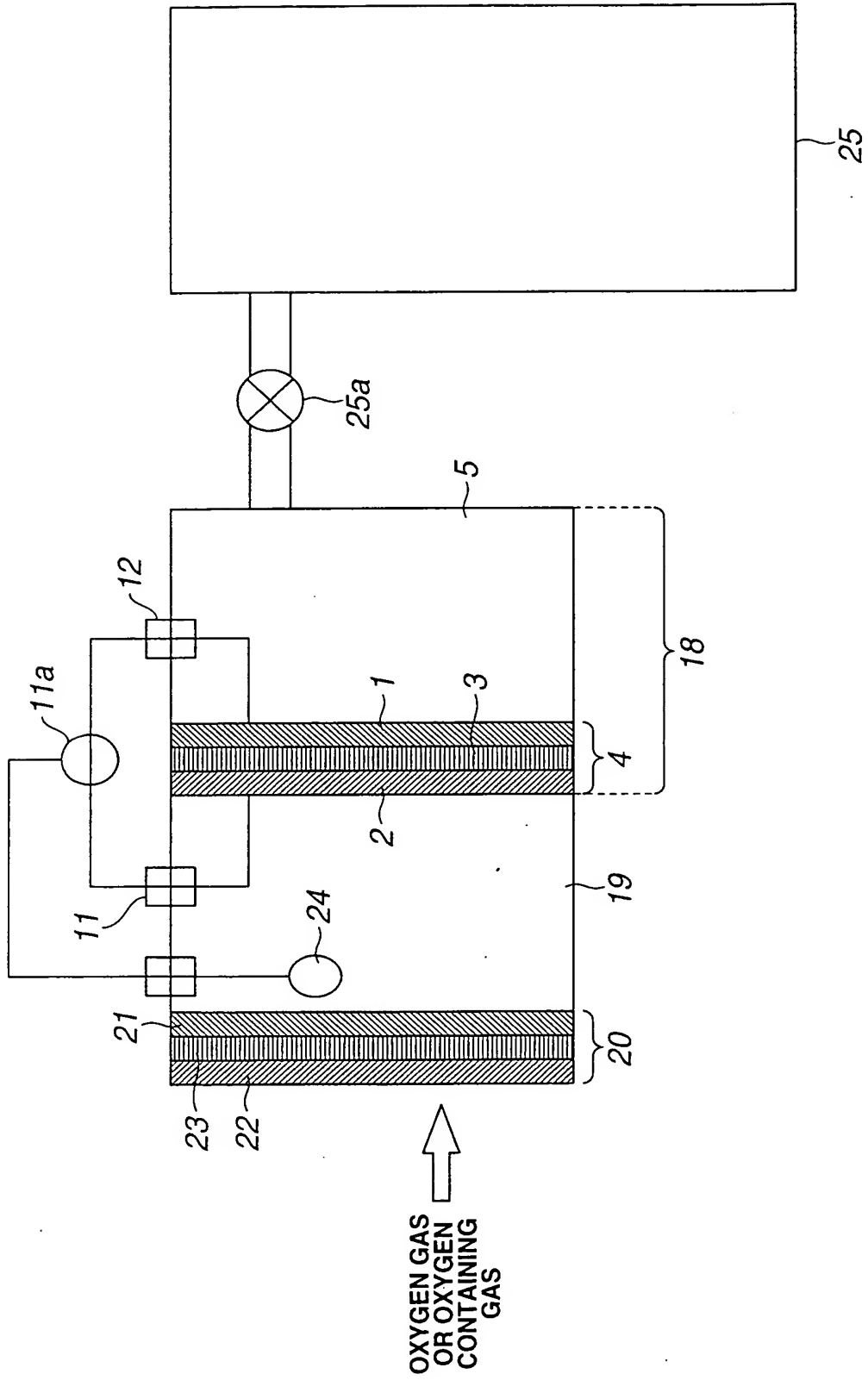


FIG.11

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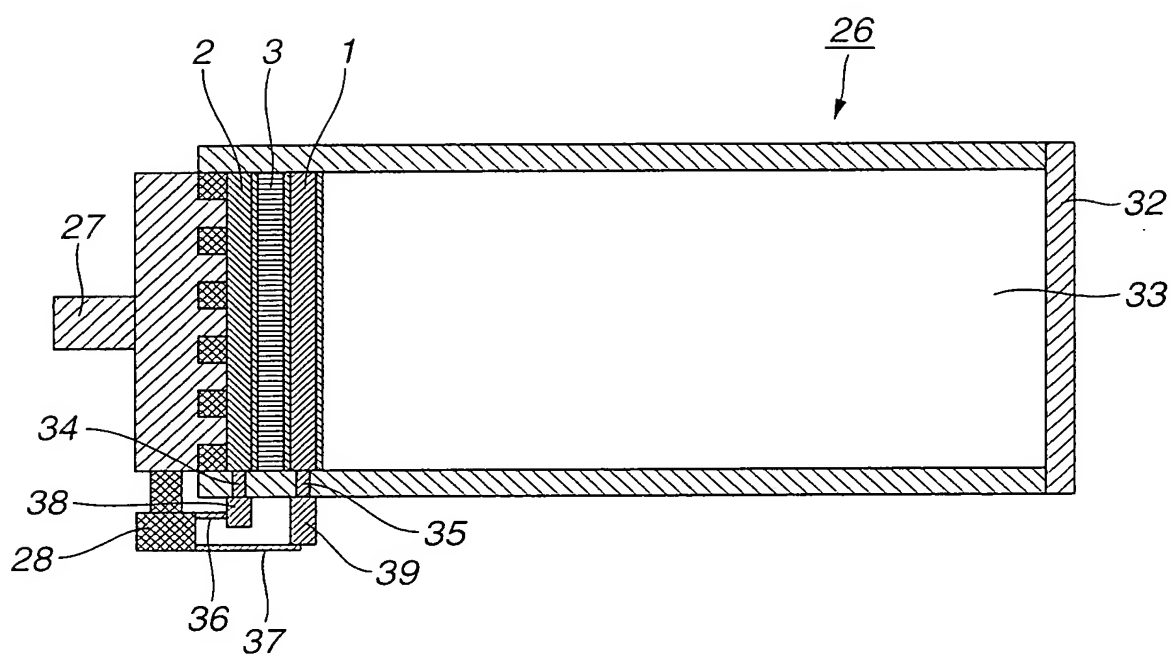


FIG.12

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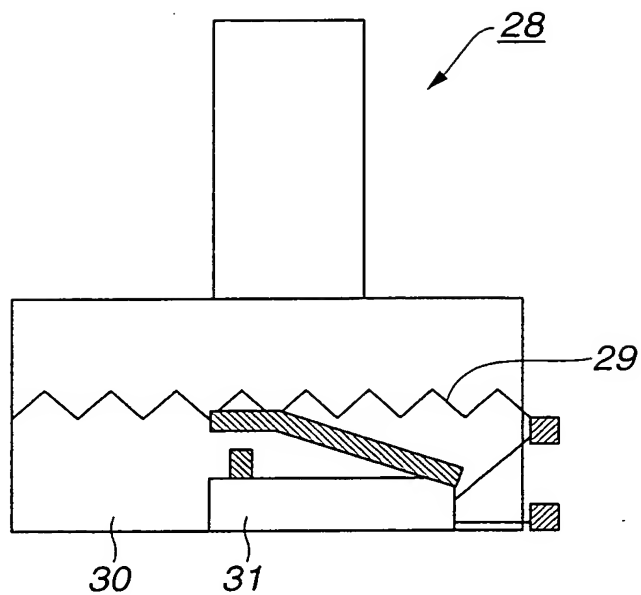


FIG. 13

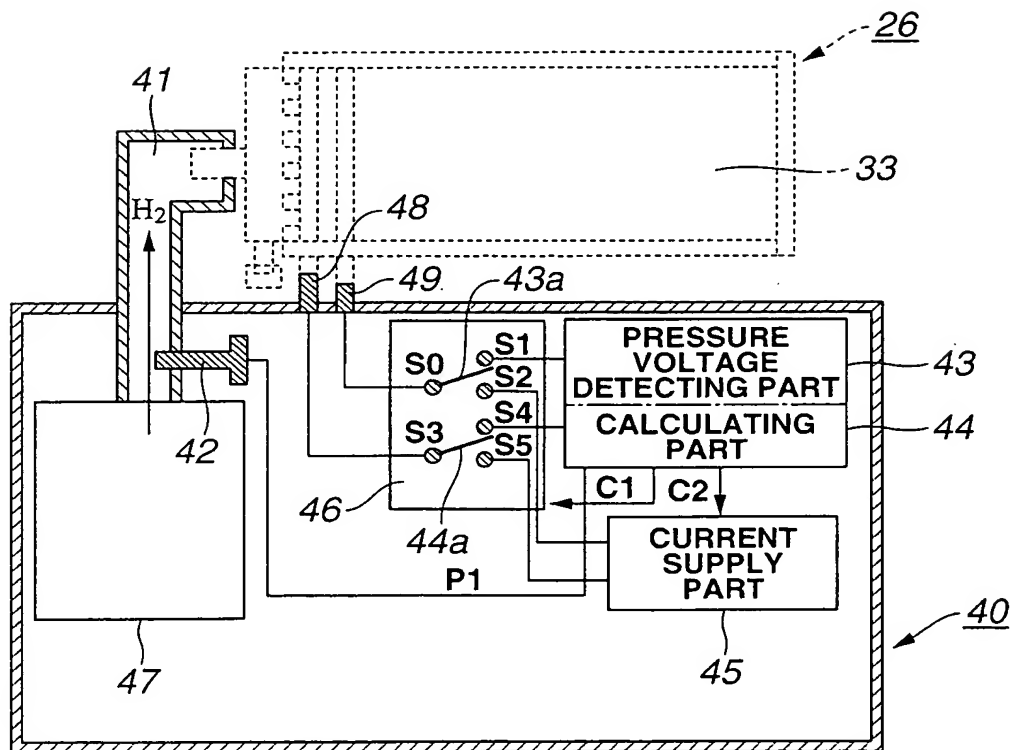
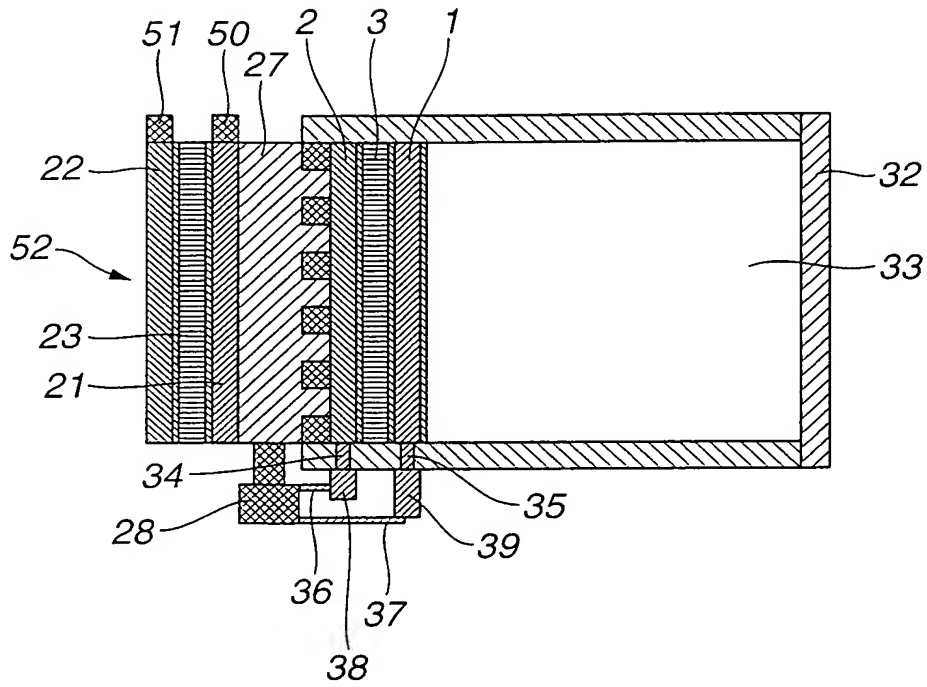
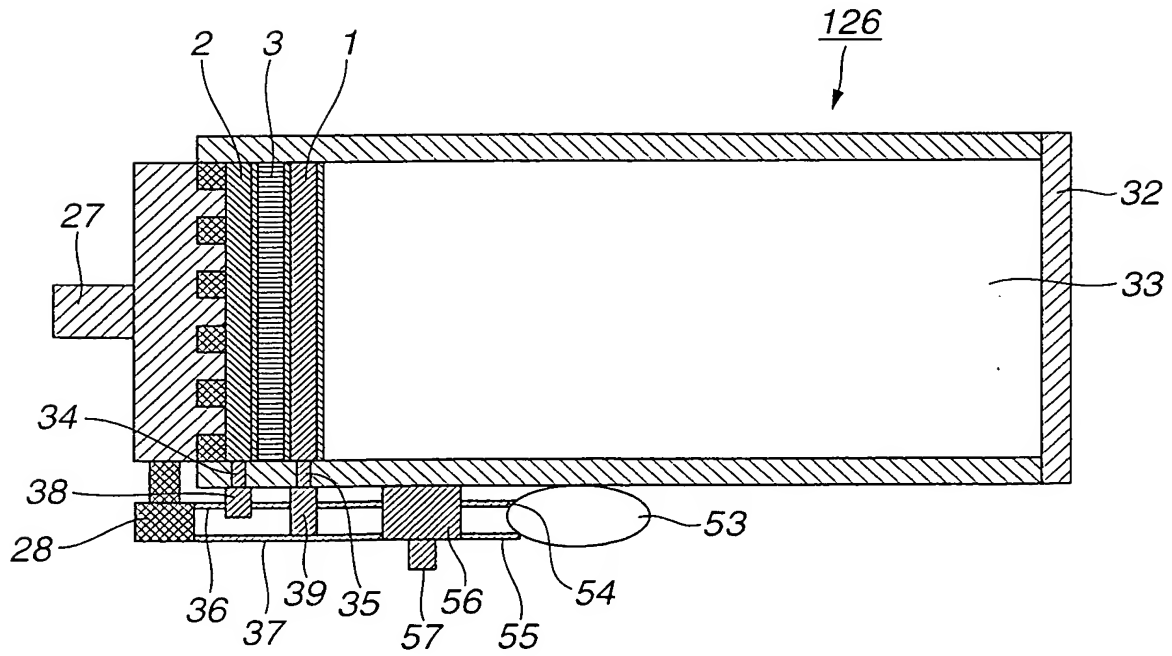


FIG. 14

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**FIG.15**



**FIG.16**

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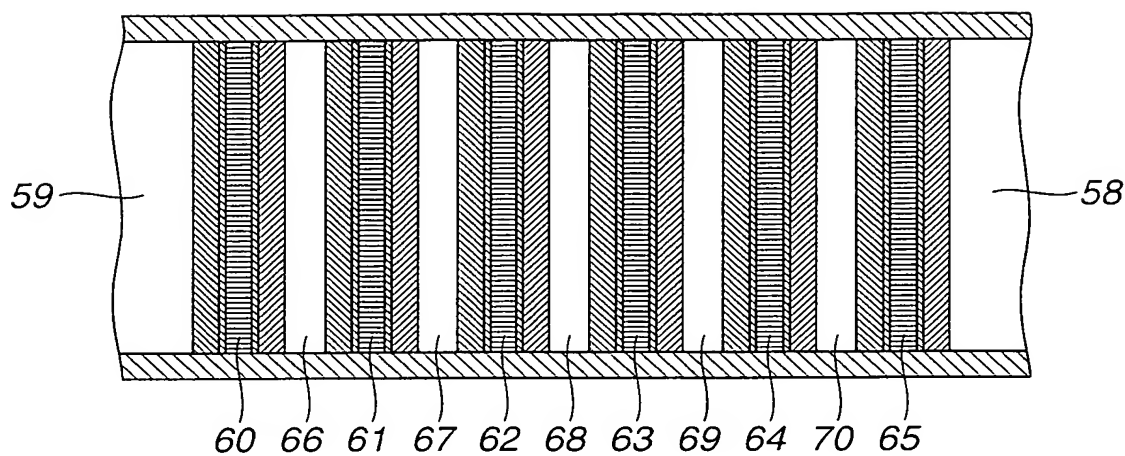


FIG. 17

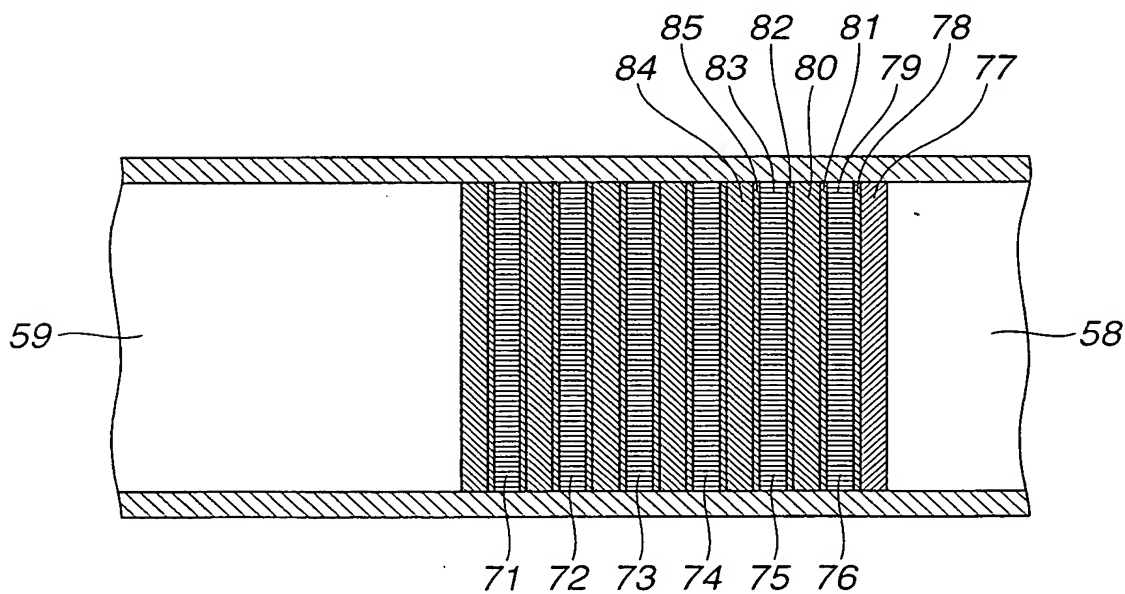


FIG. 18